

FIG. 1

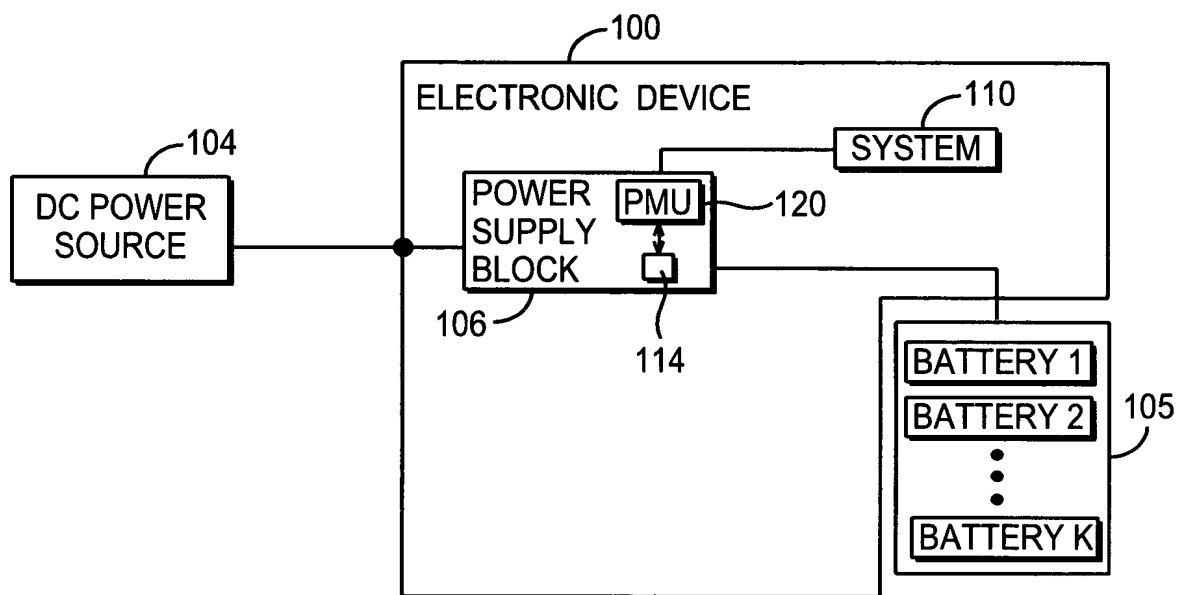


FIG. 2

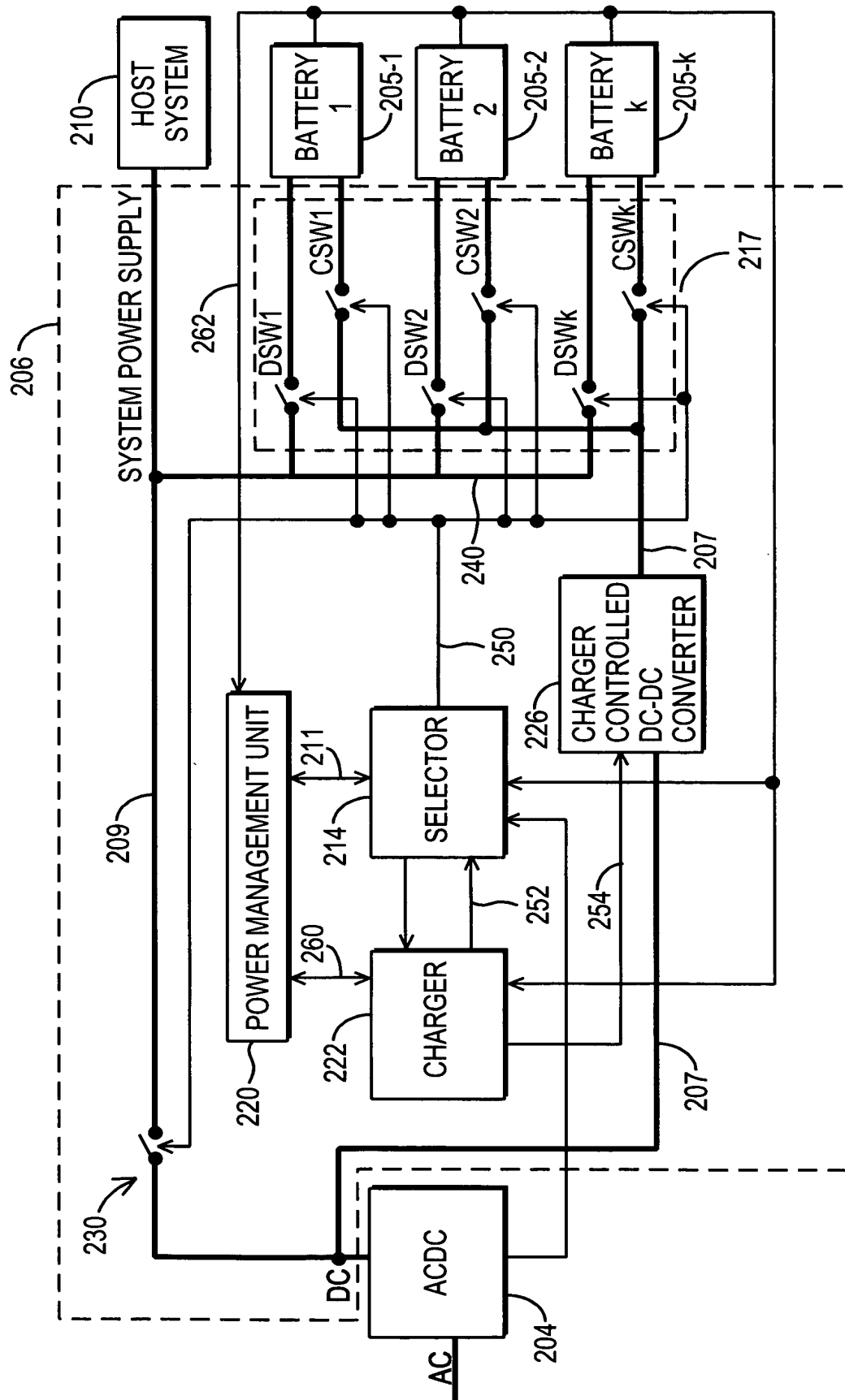


FIG. 3

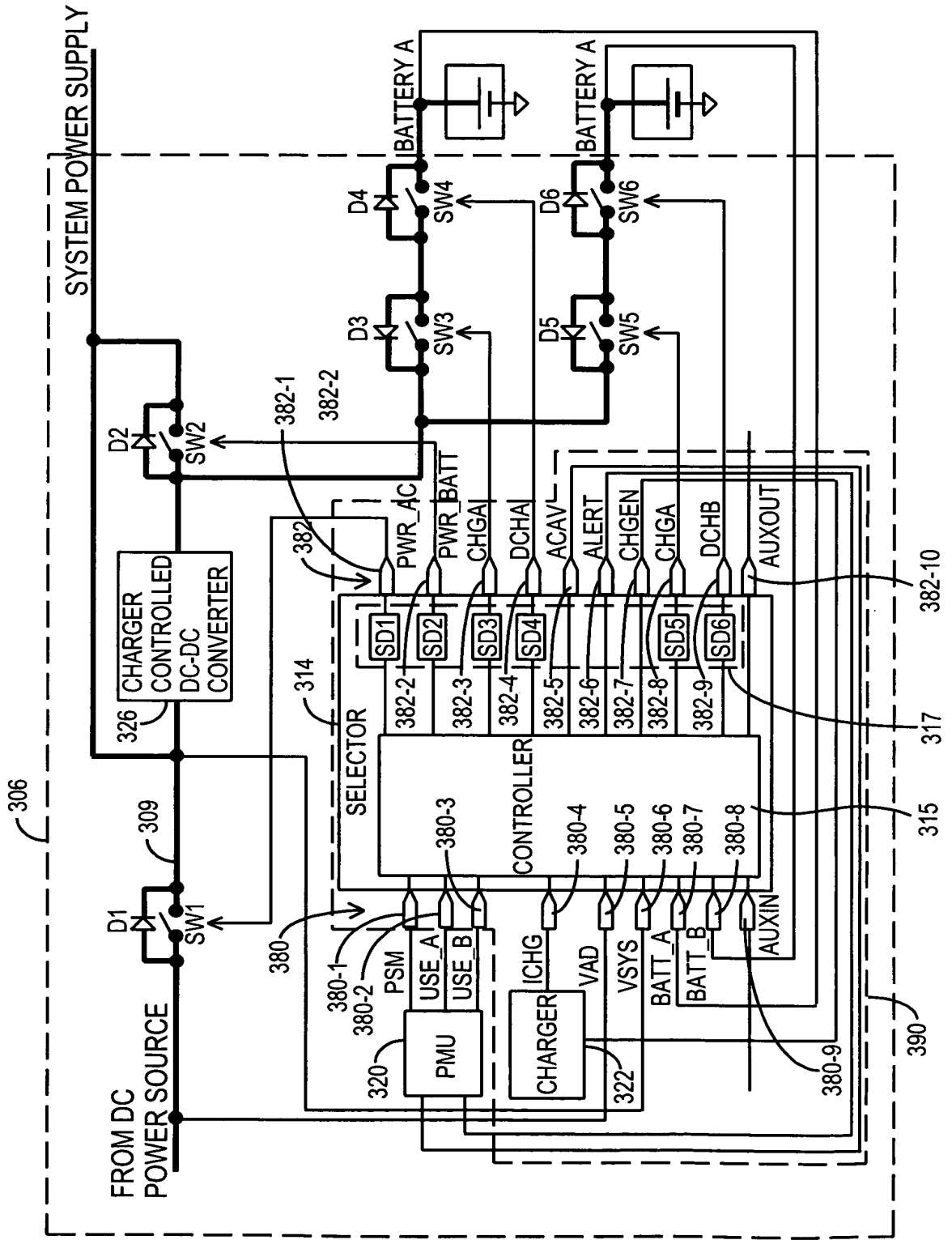


FIG. 4

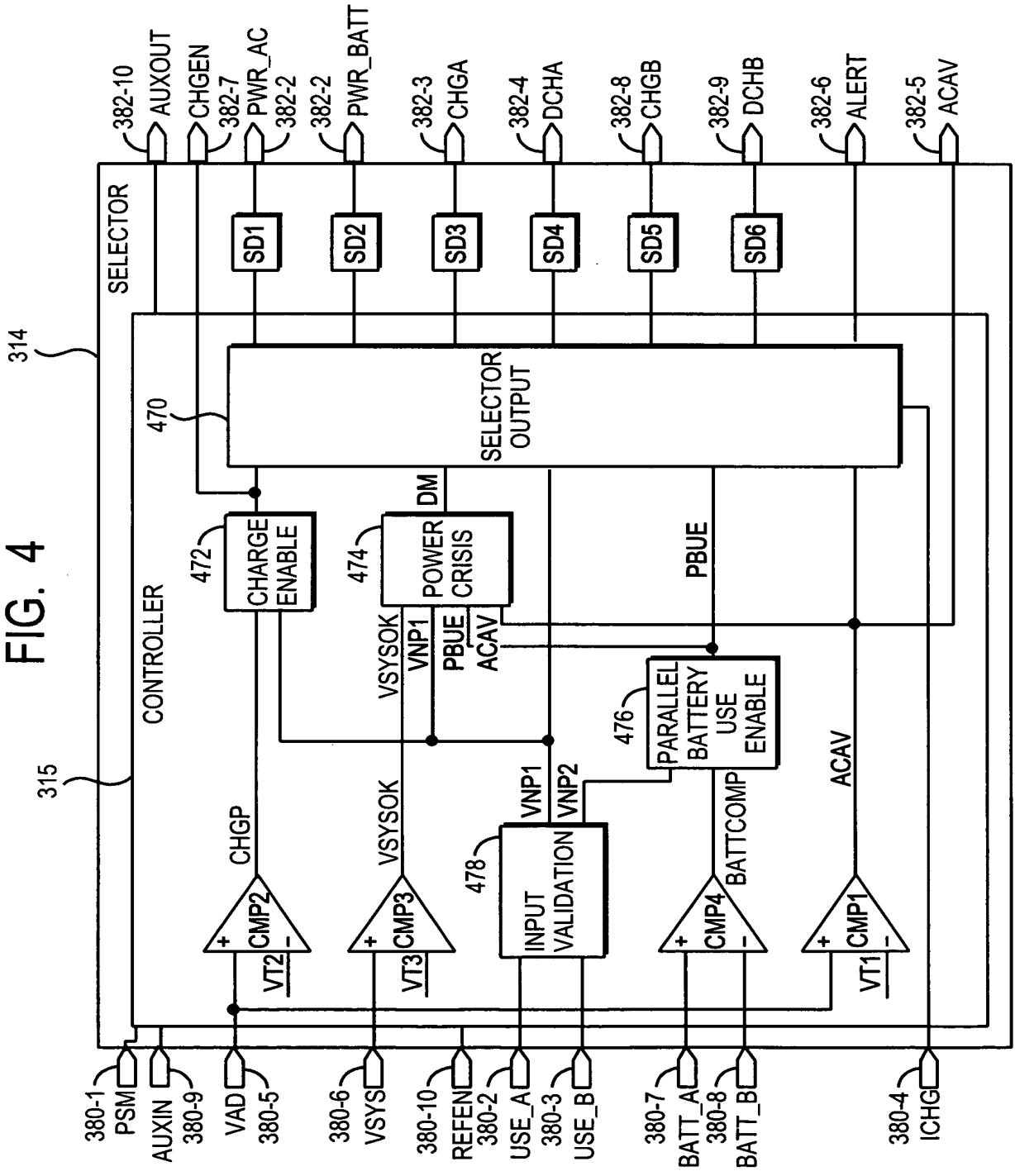


FIG. 5

SIGNAL STATES	USE SIGNALS INDICATE BATTERY A				USE SIGNALS INDICATE BATTERY B				USE SIGNALS INDICATE BATTERY A AND B IN PARALLEL				USE SIGNALS INDICATE NEITHER BATTERY A OR B	
	502 ↕	504 ↕	506 ↕	508 ↕	510 ↕	512 ↕	514 ↕	516 ↕	518 ↕	520 ↕	522 ↕			
USE_A	LOW	LOW	HIGH	HIGH	LOW	LOW	LOW	LOW	LOW	LOW	HIGH			
USE_B	HIGH	HIGH	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	HIGH			
LOWER VOLTAGE BATTERY	X	X	X	X	X	X	A	A	B	B	X			
CHARGING CURRENT SIGNAL	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW			
VINP1	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	LOW			
CHGEN	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	LOW			
PBUE	LOW	LOW	LOW	LOW	HIGH	HIGH	LOW	LOW	LOW	LOW	LOW			
SWITCH STATES														
SW1	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON			
SW2	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF			
SW3	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF			
SW4	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF			
SW5	OFF	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	OFF			
SW6	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF			

FIG. 6

600

602

604

606

SUPPLY MODE	NBSSM1	NBSSM1	NBSSM2
TARGETED SUPPLY BATTERY	A	B	A+B
VINP1	HIGH	HIGH	HIGH
VINP2	LOW	LOW	HIGH
BATTCOMP	X	X	HIGH
PBUE	LOW	LOW	HIGH
SW1	OFF	OFF	OFF
SW2	ON	ON	ON
SW3	ON	OFF	ON
SW4	ON	OFF	ON
SW5	OFF	ON	ON
SW6	OFF	ON	ON

700 ↗

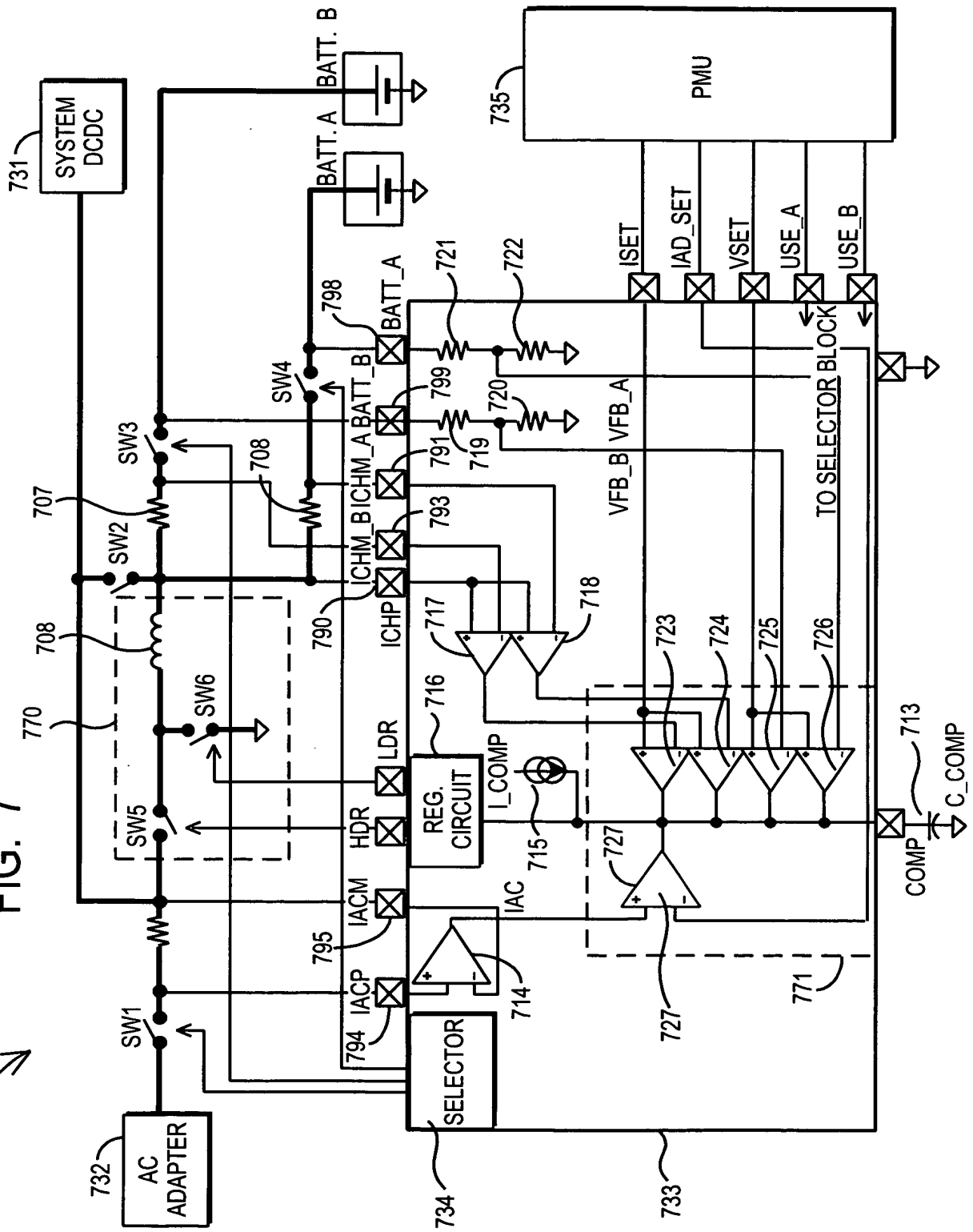


FIG. 8

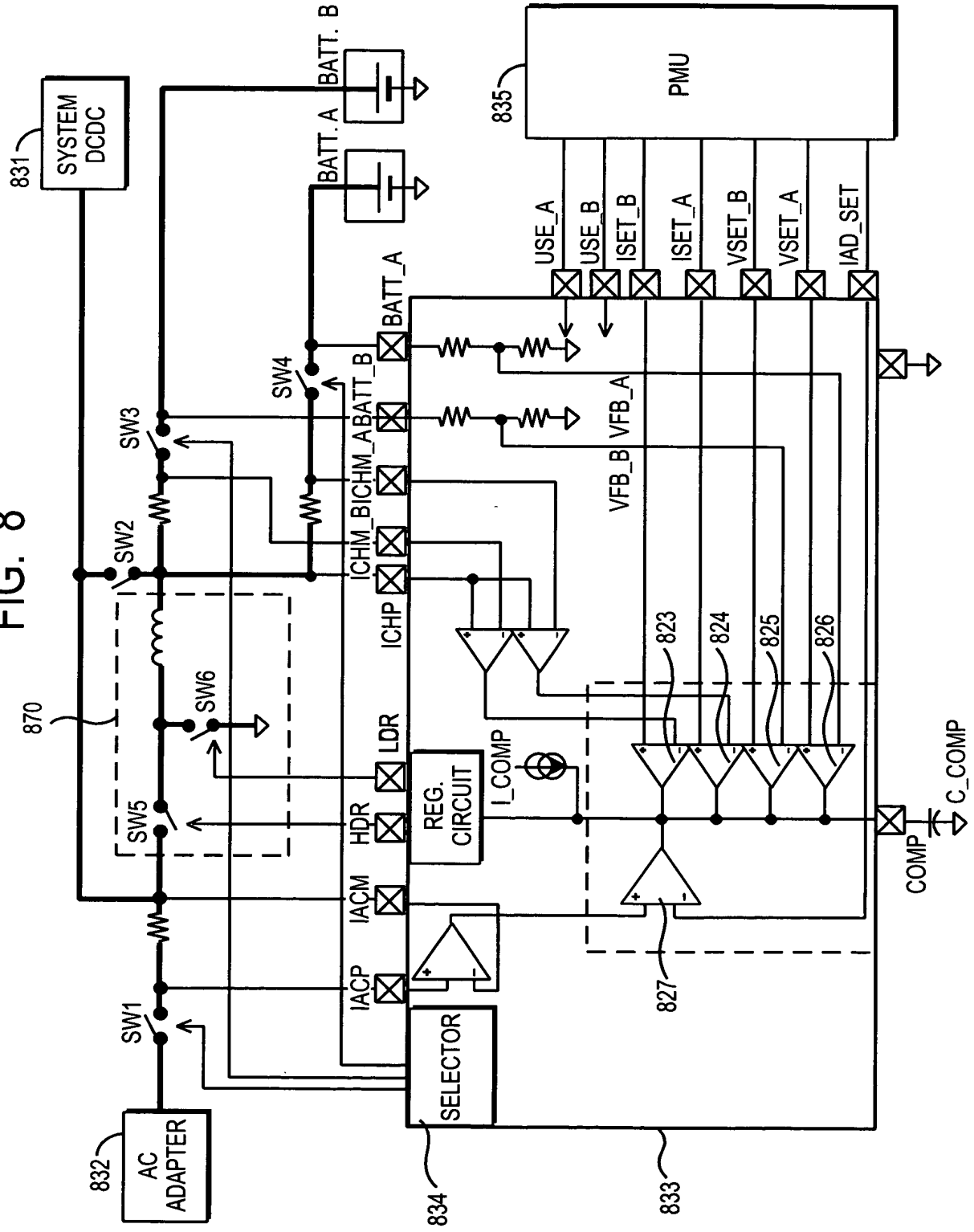


FIG. 9

